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PATENT
Attorney Docket 044574-5061



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application: John Carlson *et al.*

Application No. 09/491,577

Group Art Unit: 1646

Filed: January 25, 2000

Examiner: Joseph Murphy

For: **Drosophila Odorant Receptors (Amended)**

TECH CENTER 1600, 2000

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AMENDMENT AND RESPONSE UNDER 37 C.F.R. 1.111

This Amendment is filed in response to the Office Action dated June 29, 2001 (Paper No. 9).

Please amend this application as follows:

Please change the title of the specification to:

--*Drosophila Odorant Receptors*--

In the claims:

Please cancel claims 1-10 without prejudice or disclaimer.

Please add new claims 27-45:

27. An isolated nucleic acid molecule that encodes the amino acid sequence of a *Drosophila Odorant Receptor* protein or fragment thereof, wherein the nucleic acid molecule comprises at least one exon-intron boundary located in a position selected from the group consisting of:

(i) nucleotides of SEQ ID NO: 31 which encode the amino acids which comprise the third extracellular domain;

(ii) nucleotides of SEQ ID NO: 31 which encode the amino acids which comprise the fourth extracellular domain; and